

**PERIPHERAL ADIPOSE TISSUE INSULIN RESISTANCE ALTERS LIPID  
COMPOSITION AND FUNCTION OF HIPPOCAMPAL SYNAPSES**

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*Running title: Peripheral IR alters hippocampal synapses*

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## FIGURE LEGENDS

**Figure 1S. Regional brain response to insulin.** Insulin was injected in the peritoneum 30 minutes before harvesting the brain. *AtENPPI*-Tg RC showed blunted post-receptor response to systemic insulin elevation compared to their WT littermates. HIPP: Hippocampus – FCTX: Frontal Cortex – MDB: Mid-Brain – PCTX: Parietal Cortex – Sal: saline – Ins: Insulin.

**Figure 1S**

